

**What is claimed is :**

1. An MP3 personal storage device with income-call displaying function,  
which has an earphone and a microphone and comprises:

5 a memory control module coupled to at least one memory for storing a  
digital data;

a signal processing module coupled to said earphone, said microphone and  
said memory control module for processing said digital signal;

a blue tooth module coupled to said memory control module and said  
signal processing module for receiving a remote data signal and replying a  
10 modulation signal;

a monitor coupled to said memory control module for displaying a digital  
data transmitted from said signal processing module.

2. The MP3 personal storage device as in claim 1, wherein said memory  
control module is a card reader, said memory is a memory card detachably  
15 inserted to said card reader for expanding content of said memory card.

3. The MP3 personal storage device as in claim 1, wherein said memory  
card is a flash memory card.

4. The MP3 personal storage device as in claim 1, wherein said signal  
processing module comprises:

20 a voice transmission and encoder/decoder unit used to encode/ decode a  
voice and convert data between digital format and analog format;

an MP3 decoder used to decode the MP3 digital file to a voice signal for  
outputting to said earphone.

5. The MP3 personal storage device as in claim 1, wherein said monitor.

displayed a income-call signal that was produced from said voice transmission and encoder/decoder unit by decoding said remote data signal.

6. The MP3 personal storage device as in claim 1, wherein said monitor displayed a broadcast information produced after processing MP3 digital file  
5 by said signal processing module.

7. The MP3 personal storage device as in claim 1, wherein said blue tooth module is coupled to said signal processing module and wireless transmission with a blue tooth cell-phone to receive the income-call.

8. The MP3 personal storage device as in claim 1, wherein said blue tooth  
10 module is coupled to said memory control module and wireless transmission in digital data with a remote blue tooth electronic device so as to transmit data between said memory control module and said remote blue tooth electronic device.

9. The MP3 personal storage device as in claim 1, wherein said remote  
15 blue tooth electronic device is a remote storage device, and said blue tooth module wireless transmission in digital data with said remote storage device.

10. The MP3 personal storage device as in claim 1, wherein said digital data is a MP3 digital file that could be stored in said memory directly.